

## ABSTRACT

A system for determining the velocity of detonation of a mild detonation fuze mounted on the surface of a device includes placing the device in a predetermined position with respect to an apparatus that carries a couple of sensors that sense the passage of a detonation wave at first and second spaced locations along the fuze. The sensors operate a timer and the time and distance between the locations is used to determine the velocity of detonation. The sensors are preferably electrical contacts that are held spaced from but close to the fuze such that expansion of the fuze caused by detonation causes the fuze to touch the contact, causing an electrical signal to actuate the timer.